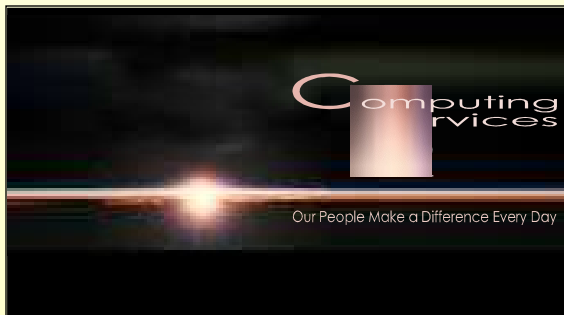




DECC Mech Network Support Section

Technical Requirements



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Network Support Section: Overview

- **The Network Section provides SNA, I/P and circuit support for all customers accessing or “passing through” DECC Mechanicsburg’s Network Infrastructure to get to their application systems**
- **We are a key communications hub for both NIPRNet and SIPRNet for DISA and the DoD**
- **22 Positions; 13 Contractors**



Network Support Section: Technical Skills

- **VTAM**
- **TCP/IP**
- **APPN**
- **VPS**
- **Routers**
- **Firewalls**
- **Content Switches**
- **VPN's**
- **HOD**
- **Connect:Direct**
- **CL-Supersession**
- **OS / zOS
Systems
Programming**
- **OSPF, BGP, etc.**
- **ACL's**
- **Netview**



System Network Architecture (SNA): Contractor Skills Required

- Comprehensive MVS and zOS network software programming skills
- Virtual Telecommunications Access Method (VTAM) customization, performance tuning
- Expert knowledge in Advanced Peer-to-Peer Networking (APPN) definitions and problem determination
- Expert knowledge in Host on Demand installation, performance tuning and problem solving



SNA continued

- Design and programming of NetView scripts that generate event input to Managed Objects, the key component of DISA's Enterprise Systems Management (ESM) architecture
- Writing applications using REXX Clists for various functions
- SMP/E installation, configuration, customization, monitoring and problem determination of communication access software – CA-Supersession



SNA continued

- SMP/E installation, implementation, customization, monitor and problem determination of Transmission Control Protocol/Internet Protocol (TCP/IP) networks, including OS390 and zOS
- Develop procedures and guidelines on using Secure File Transfer Protocol (FTP) within the zOS operating systems



SNA continued

- Expert knowledge in various file transfer products – NetView FTP, Connect:Direct, SNSTCP, Pkzip
- Expert knowledge in Virtual Print Services (VPS) installation, customization, problem determination
- Planning and execution of a viable Disaster Recovery Plan
- Expert knowledge in Job Entry System (JES) remote definitions and troubleshooting



Network Infrastructure: Contractor Skills Required

- Expert knowledge in configuration of routers, switches, firewalls, SNA switching, Data Link Switching and Domain Name Servers (DNS)
- Problem determination using network diagnostic tools to include network sniffers, protocol analyzers and industry standard troubleshooting methods
- Expert knowledge in Virtual Private Network (VPN) technologies and protocols such as IPsec and Secure Sockets Layer (SSL)



Network Infrastructure continued

- Proficient and knowledgeable with current DISA Information Assurance policies to include Security Technical Implementation Guides (STIG), Security Readiness Reviews (SRR), Vulnerability Assessment Program (VAP), and Intrusion Detection Systems (IDS)



Network Infrastructure continued

- Proficient with implementing Border Gateway Protocol (BGP) and Open-Shortest-Path-First (OSPF) routing protocols
- Understand and troubleshoot Spanning Tree issues
- Knowledge of Remote Access software and hardware installation, configuration and troubleshooting
- Implementation TACACS+ and RADIUS authentication



Network Infrastructure continued

- Knowledge of the circuit keying process
- Understanding of cable types, connectors and termination process
- Creation of detail network diagrams
- Comprehensive network hardware and circuit inventories



Network Support Section: Desired Certifications

- CCNP (Cisco Certified Network Professional)
- CCNA (Cisco Certified Network Administrator)
- Appropriate Levels of Security Clearances